

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference W5317TH1768E	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/NL 03/ 00098	International filing date (day/month/year) 07/02/2003	(Earliest Priority Date (day/month/year)) 07/02/2002
Applicant KRATON POLYMERS RESEARCH B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/NL 03/00008

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09J153/00 B32B9/02 B32B25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09J B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	YIH-CHAU LIN ET AL: "using heavy ethers as structure modifiers in the synthesis of SBS block copolymers in cyclohexane" JOURNAL OF APPLIED POLYMER SCIENCE, JOHN WILEY AND SONS INC. NEW YORK, US, vol. 64, no. 13, 27 June 1997 (1997-06-27), pages 2543-2560, XP002084305 ISSN: 0021-8995 page 2544, right-hand column	1-8
A	EP 0 822 227 A (SHELL INT RESEARCH) 4 February 1998 (1998-02-04) page 3, line 27 - line 41	1-8
A	GB 1 193 627 A (THE DUNLOP LIMITED COMPANY) 3 June 1970 (1970-06-03) page 2, line 72 - line 77; claims	1,12-16
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

17 Apr11 2003

Date of mailing of the international search report

29/04/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Iraegui Retolaza, E

INTERNATIONAL SEARCH REPORT

In: International Application No

PCT/NL 03/00008

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 034 159 A (MALCOLM DAVID B) 7 March 2000 (2000-03-07) column 8, line 49; claims -----	1,12-16
A	US 3 239 478 A (HARLAN JR JAMES T) 8 March 1966 (1966-03-08) column 3, line 21 - line 23; claims -----	1,12-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 03/00008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0822227	A	04-02-1998	BR 9705233 A	29-06-1999
			CA 2211944 A1	31-01-1998
			EP 0822227 A1	04-02-1998
			JP 10077382 A	24-03-1998
			TR 9700720 A2	21-02-1998
			TW 416971 B	01-01-2001
			US 5926707 A	20-07-1999
GB 1193627	A	03-06-1970	ES 346147 A1	16-02-1969
			FR 1541290 A	04-10-1968
			MY 18571 A	31-12-1971
US 6034159	A	07-03-2000	NONE	
US 3239478	A	08-03-1966	BE 649690 A	24-12-1964
			CH 442587 A	31-08-1967
			DE 1594254 A1	12-06-1969
			FR 1403980 A	25-06-1965
			GB 1033115 A	15-06-1966
			NL 6407182 A	28-12-1964
			SE 326294 B	20-07-1970